

			Section 1									
			(1)	1	10	20	30	40	50	60	76	
Escherichia coli SHP45	KP347127	(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Escherichia coli KX276657		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Escherichia albertii KX765477		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Citrobacter braakii NZ_MTCP01000048		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Cronobacter sakazakii KX505142		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Klebsiella pneumoniae KU761327		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Kluyvera ascorbata KU922754		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Salmonella enterica SC23 KU934209		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Salmonella enterica Z3195 KX257482		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Escherichia coli MF069152		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Providencia stuartii MF598564		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Providencia alcalifaciens MF598566		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
Enterobacter cloacae MF598565		(1)	CGCGACCGCCAATCTTACCTTTTTTGATAAAATCAGCCAAACCTATCCCATCGCGGACAATCTCGGCTTTGTGCTG									
			Section 2									
			(77)	77	90	100	110	120	130	140	152	
Escherichia coli SHP45	KP347127	(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Escherichia coli KX276657		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Escherichia albertii KX765477		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Citrobacter braakii NZ_MTCP01000048		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Cronobacter sakazakii KX505142		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Klebsiella pneumoniae KU761327		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Kluyvera ascorbata KU922754		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Salmonella enterica SC23 KU934209		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Salmonella enterica Z3195 KX257482		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Escherichia coli MF069152		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Providencia stuartii MF598564		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Providencia alcalifaciens MF598566		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
Enterobacter cloacae MF598565		(77)	ACGATCGCTGTCGTGCTCTTTGGCGCGATGCTACTGATCACCACGCTGTTATCATCGTATCGGTATGTCGCTAAAGC									
			Section 3									
			(153)	153	160	170	180	190	200	210	228	
Escherichia coli SHP45	KP347127	(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Escherichia coli KX276657		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Escherichia albertii KX765477		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Citrobacter braakii NZ_MTCP01000048		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Cronobacter sakazakii KX505142		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Klebsiella pneumoniae KU761327		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Kluyvera ascorbata KU922754		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Salmonella enterica SC23 KU934209		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Salmonella enterica Z3195 KX257482		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Escherichia coli MF069152		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Providencia stuartii MF598564		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Providencia alcalifaciens MF598566		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
Enterobacter cloacae MF598565		(153)	CTGTGTTGATTTTGCTATTAATCATGGGCGCGGTGACCAAGTTATTTACTGACACTTATGGCACGGTCTATGATAC									
			Section 4									
			(229)	229	240	250	260	270	280	290	304	
Escherichia coli SHP45	KP347127	(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Escherichia coli KX276657		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Escherichia albertii KX765477		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Citrobacter braakii NZ_MTCP01000048		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Cronobacter sakazakii KX505142		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Klebsiella pneumoniae KU761327		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Kluyvera ascorbata KU922754		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Salmonella enterica SC23 KU934209		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Salmonella enterica Z3195 KX257482		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Escherichia coli MF069152		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Providencia stuartii MF598564		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Providencia alcalifaciens MF598566		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
Enterobacter cloacae MF598565		(229)	GACCATGCTCCAAAATGCCCTACAGACCGACCAAGCCGAGACCAAGGATCTATTAACGCGAGCGTTTATCATGCGT									
			Section 5									
			(305)	305	310	320	330	340	350	360	370	380
Escherichia coli SHP45	KP347127	(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Escherichia coli KX276657		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Escherichia albertii KX765477		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Citrobacter braakii NZ_MTCP01000048		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Cronobacter sakazakii KX505142		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Klebsiella pneumoniae KU761327		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Kluyvera ascorbata KU922754		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Salmonella enterica SC23 KU934209		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Salmonella enterica Z3195 KX257482		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Escherichia coli MF069152		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Providencia stuartii MF598564		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Providencia alcalifaciens MF598566		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									
Enterobacter cloacae MF598565		(305)	ATCATTTGGTTTGGGTTGTGCTACCAAGTTTGGCTTGTGGCTTTTGTAAAGGTGGATTATCCGACTTGGGGCAAGGGTT									

Section 6											
		(381)	381	390	400	410	420	430	440	456	
Escherichia coli SHP45	KP347127	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA								
Escherichia coli KX276657	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Escherichia albertii KX765477	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Citrobacter braakii NZ_MTCP01000048	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Cronobacter sakazakii KX505142	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Klebsiella pneumoniae KU761327	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Kluyvera ascorbata KU922754	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Salmonella enterica SC23 KU934209	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Salmonella enterica Z3195 KX257482	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Escherichia coli MF069152	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Providencia stuartii MF598564	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Providencia alcalifaciens MF598566	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									
Enterobacter cloacae MF598565	(381)	TGATGCGCCGATTGGGCTTGATCGTGGCAAGTCTTGGCGTGATTTTACTGCGCTGTGGTGGCGTTTCAGCAGTCATTA									

										Section 7		
			(457)	457	470	480	490	500	510	520	532	
Escherichia coli SHP45	KP347127	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG									
Escherichia coli KX276657	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Escherichia albertii KX765477	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Citrobacter braakii NZ_MTCP01000048	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Cronobacter sakazakii KX505142	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Klebsiella pneumoniae KU761327	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Kluyvera ascorbata KU922754	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Salmonella enterica SC23 KU934209	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Salmonella enterica Z3195 KX257482	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Escherichia coli MF069152	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Providencia stuartii MF598564	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Providencia alcalifaciens MF598566	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										
Enterobacter cloacae MF598565	(457)	TGGCAGTTTCTTTTCGGGTGCATAAGCCGCTGCGTAGCTATGTC AATCCGATCATGCCAATCTACTCGGTGGGTAAG										

Section 8											608
	(533)	533	540	550	560	570	580	590			
Escherichia coli SHP45 KP347127	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Escherichia coli KX276657	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Escherichia albertii KX765477	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Citrobacter braakii NZ_MTCP01000048	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Cronobacter sakazakii KX505142	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Klebsiella pneumoniae KU761327	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Kluyvera ascorbata KU922754	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Salmonella enterica SC23 KU934209	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Salmonella enterica Z3195 KX257482	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Escherichia coli MF069152	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Providencia stuartii MF598564	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Providencia alcalifaciens MF598566	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									
Enterobacter cloacae MF598565	(533)	CTTGCCAGTATTGAGTATAAAAAAGCCAGTGGCCAAAAGATACCATTTATCAGCCCAAAGACGGGTACAAGCAA									

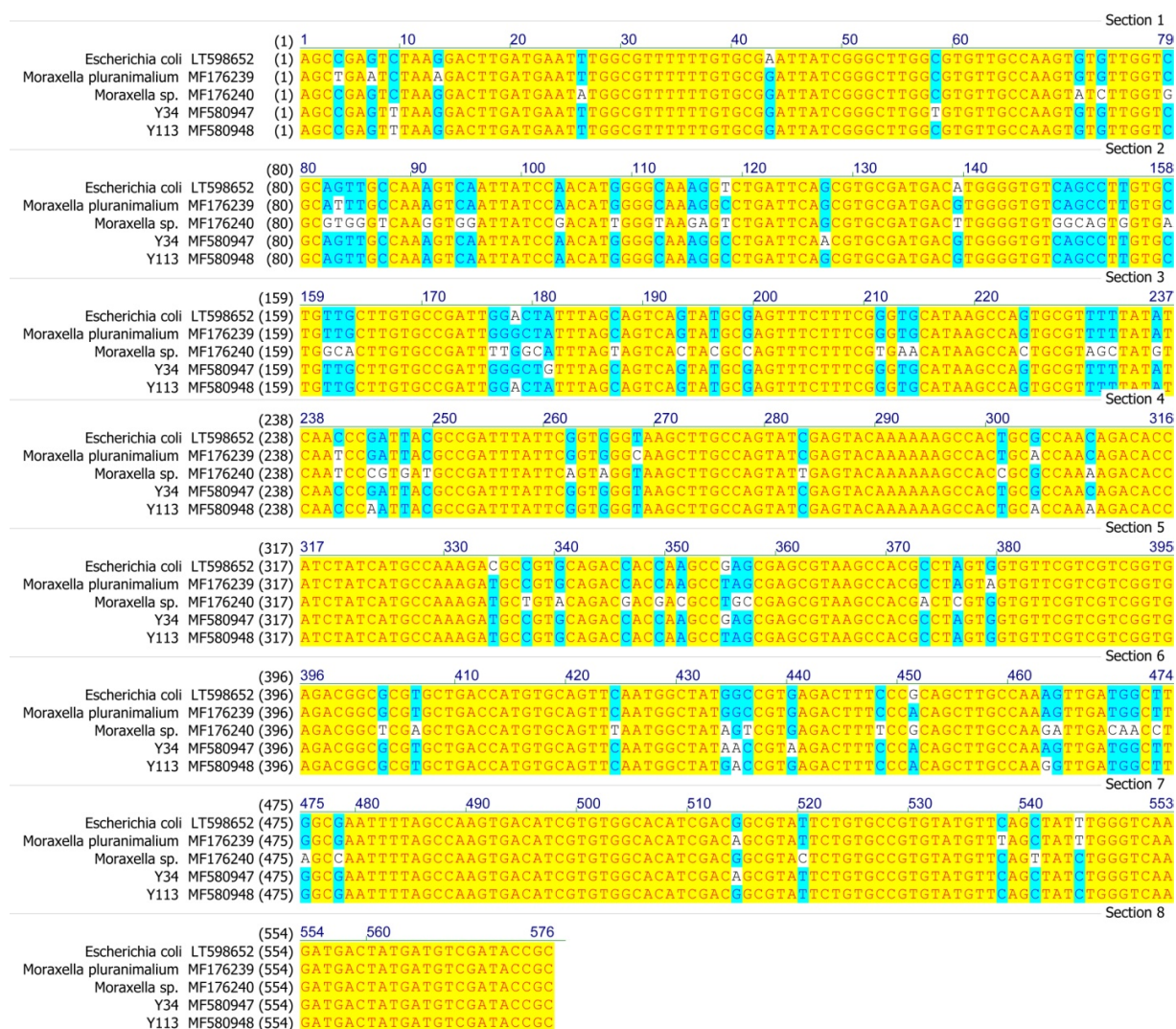
										Section 9
										684
Escherichia coli SHP45	KP347127	(609)	609	620	630	640	650	660	670	
Escherichia coli KX276657	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Escherichia albertii KX765477	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Citrobacter braakii NZ_MTCP01000048	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Cronobacter sakazakii KX505142	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Klebsiella pneumoniae KU761327	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Kluyvera ascorbata KU922754	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Salmonella enterica SC23 KU934209	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Salmonella enterica Z3195 KX257482	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Escherichia coli MF069152	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Providencia stuartii MF598564	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Providencia alcalifaciens MF598566	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								
Enterobacter cloacae MF598565	(609)	CCAAGCCTGATATGCGTAAGCCACGCCCTAGTGGTGTTCGTCGTCGGTGAGACGGCACGGCCGATCATGTACAGCTT								

Enterobacter cloacae		Section 10										
		(685)	685	690	700	710	720	730	740	750	760	
Escherichia coli SHP45	KP347127	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG									
Escherichia coli KX276657	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Escherichia albertii KX765477	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Citrobacter braakii NZ_MTCP01000048	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Cronobacter sakazakii KX505142	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Klebsiella pneumoniae KU761327	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Kluyvera ascorbata KU922754	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Salmonella enterica SC23 KU934209	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Salmonella enterica Z3195 KX257482	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Escherichia coli MF069152	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Providencia stuartii MF598564	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Providencia alcalifaciens MF598566	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										
Enterobacter cloacae MF598565	(685)	CAATGGCTATGAGCGCGATACTTTCCACAGCTTGCCAAAGATCGATGGCGTGACCAATTTAGCAATGTACATCG										

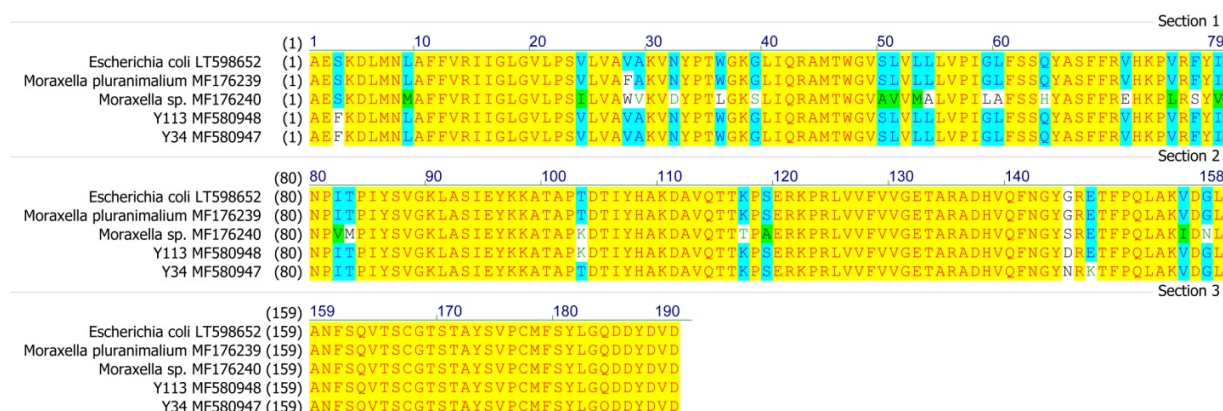
										Section 11
										836
Escherichia coli SHP45 KP347127	(761)	761	770	780	790	800	810	820		
Escherichia coli KX276657	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Escherichia albertii KX765477	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Citrobacter braakii NZ_MTCP01000048	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Cronobacter sakazakii KX505142	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Klebsiella pneumoniae KU761327	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Kluyvera ascorbata KU922754	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Salmonella enterica SC23 KU934209	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Salmonella enterica Z319S KX257482	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Escherichia coli MF069152	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Providencia stuartii MF598564	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Providencia alcalifaciens MF598566	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
Enterobacter cloacae MF598565	(761)	TGCGGCACATCGACGGCGTATTCTGTGCCGTGTATGTTACGCTATCTGGGCGGGATGAGTATGATGTCGATACCG								
										Section 12
										912
Escherichia coli SHP45 KP347127	(837)	837	850	860	870	880	890	900		
Escherichia coli KX276657	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Escherichia albertii KX765477	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Citrobacter braakii NZ_MTCP01000048	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Cronobacter sakazakii KX505142	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Klebsiella pneumoniae KU761327	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Kluyvera ascorbata KU922754	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Salmonella enterica SC23 KU934209	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Salmonella enterica Z319S KX257482	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Escherichia coli MF069152	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Providencia stuartii MF598564	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Providencia alcalifaciens MF598566	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
Enterobacter cloacae MF598565	(837)	CCAAATACCAAGAAAAATGTGCTGGATACGCTGGATCGCTTGGGCGTAAGTATCTTGTGGCGTGATAATAATTCGGA								
										Section 13
										988
Escherichia coli SHP45 KP347127	(913)	913	920	930	940	950	960	970		
Escherichia coli KX276657	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Escherichia albertii KX765477	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Citrobacter braakii NZ_MTCP01000048	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Cronobacter sakazakii KX505142	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Klebsiella pneumoniae KU761327	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Kluyvera ascorbata KU922754	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Salmonella enterica SC23 KU934209	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Salmonella enterica Z319S KX257482	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Escherichia coli MF069152	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Providencia stuartii MF598564	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Providencia alcalifaciens MF598566	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
Enterobacter cloacae MF598565	(913)	CTCAAAAGGCGTGATGGATAAGCTGCCAAAAGCGCAATTTGCCGATTATAAATCCGGGACCAACACGCCATCTGC								
										Section 14
										1064
Escherichia coli SHP45 KP347127	(989)	989	1000	1010	1020	1030	1040	1050		
Escherichia coli KX276657	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Escherichia albertii KX765477	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Citrobacter braakii NZ_MTCP01000048	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Cronobacter sakazakii KX505142	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Klebsiella pneumoniae KU761327	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Kluyvera ascorbata KU922754	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Salmonella enterica SC23 KU934209	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Salmonella enterica Z319S KX257482	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Escherichia coli MF069152	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Providencia stuartii MF598564	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Providencia alcalifaciens MF598566	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
Enterobacter cloacae MF598565	(989)	AACACCAATCCTTATAACGAATGCCCGGATGTCGGTATGCTCGTTGGCTTAGATGACTTTGTCGCTGCCAATAACG								
										Section 15
										1140
Escherichia coli SHP45 KP347127	(1065)	1065	1070	1080	1090	1100	1110	1120	1130	
Escherichia coli KX276657	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Escherichia albertii KX765477	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Citrobacter braakii NZ_MTCP01000048	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Cronobacter sakazakii KX505142	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Klebsiella pneumoniae KU761327	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Kluyvera ascorbata KU922754	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Salmonella enterica SC23 KU934209	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Salmonella enterica Z319S KX257482	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Escherichia coli MF069152	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Providencia stuartii MF598564	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Providencia alcalifaciens MF598566	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								
Enterobacter cloacae MF598565	(1065)	GCAAAGATATGCTGATCATGCTGCACCAAAATGGGCAATCACGGGCTGCGTATTTTAAAGCGATATGATGAAAAGTT								

		Section 16									
		(1141)	1141	1150	1160	1170	1180	1190	1200	1216	
Escherichia coli SHP45	KP347127 (1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Escherichia coli KX276657	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Escherichia albertii KX765477	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Citrobacter braakii NZ_MTCP01000048	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Cronobacter sakazakii KX505142	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Klebsiella pneumoniae KU761327	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Kluyvera ascorbata KU922754	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Salmonella enterica SC23 KU934209	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Salmonella enterica Z319S KX257482	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Escherichia coli MF069152	(1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Providencia stuartii	MF598564 (1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Providencia alcalifaciens	MF598566 (1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
Enterobacter cloacae	MF598565 (1141)		TGCCAAATTCACGCCAGTGTGTGAAGGTAATGAGCTTGCCAAGTGCGAACATCAGTCCTTGATCAATGCTTATGAC								
		Section 17									
		(1217)	1217	1230	1240	1250	1260	1270	1280	1292	
Escherichia coli SHP45	KP347127 (1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Escherichia coli KX276657	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Escherichia albertii KX765477	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Citrobacter braakii NZ_MTCP01000048	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Cronobacter sakazakii KX505142	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Klebsiella pneumoniae KU761327	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Kluyvera ascorbata KU922754	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Salmonella enterica SC23 KU934209	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Salmonella enterica Z319S KX257482	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Escherichia coli MF069152	(1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Providencia stuartii	MF598564 (1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Providencia alcalifaciens	MF598566 (1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
Enterobacter cloacae	MF598565 (1217)		AATGCCCTTGCTTGCCACCGATGATTTTCATCGCTCAAAGTATCCAGTGGCTGCAGACGCCACAGCAATGCCATATGATG								
		Section 18									
		(1293)	1293	1300	1310	1320	1330	1340	1350	1368	
Escherichia coli SHP45	KP347127 (1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Escherichia coli KX276657	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Escherichia albertii KX765477	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Citrobacter braakii NZ_MTCP01000048	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Cronobacter sakazakii KX505142	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Klebsiella pneumoniae KU761327	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Kluyvera ascorbata KU922754	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Salmonella enterica SC23 KU934209	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Salmonella enterica Z319S KX257482	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Escherichia coli MF069152	(1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Providencia stuartii	MF598564 (1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Providencia alcalifaciens	MF598566 (1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
Enterobacter cloacae	MF598565 (1293)		TCTCAATGCTGTATGTGACCGATCATGGCGAAAGTCTGGGTGAGAACGGTGTCTATCTACATGGTATGCCAAATGCG								
		Section 19									
		(1369)	1369	1380	1390	1400	1410	1420	1430	1444	
Escherichia coli SHP45	KP347127 (1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Escherichia coli KX276657	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Escherichia albertii KX765477	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Citrobacter braakii NZ_MTCP01000048	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Cronobacter sakazakii KX505142	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Klebsiella pneumoniae KU761327	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Kluyvera ascorbata KU922754	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Salmonella enterica SC23 KU934209	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Salmonella enterica Z319S KX257482	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Escherichia coli MF069152	(1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Providencia stuartii	MF598564 (1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Providencia alcalifaciens	MF598566 (1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
Enterobacter cloacae	MF598565 (1369)		CTTTGACACCAAAAGAACAGCGCAGTGTGCCTGCAATTTTCTGGACGGATAAGCAAACCTGGCATCACGCCAATGGCA								
		Section 20									
		(1445)	1445	1450	1460	1470	1480	1497			
Escherichia coli SHP45	KP347127 (1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Escherichia coli KX276657	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Escherichia albertii KX765477	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Citrobacter braakii NZ_MTCP01000048	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Cronobacter sakazakii KX505142	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Klebsiella pneumoniae KU761327	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Kluyvera ascorbata KU922754	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Salmonella enterica SC23 KU934209	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Salmonella enterica Z319S KX257482	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Escherichia coli MF069152	(1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Providencia stuartii	MF598564 (1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Providencia alcalifaciens	MF598566 (1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								
Enterobacter cloacae	MF598565 (1445)		ACCGATACCGTCTTGACCCATGACGCGATCACGCCGACATTATTAAGCTGTT								

**Fig. S1. Alignment of nucleotides of the *mcr-1* gene (1,497 bp).** Nucleotides that are identical for the sequences amplified in this study (MF069152, MF598564, MF598565, MF598566) and references from GenBank are highlighted in yellow while those that vary between species are highlighted with blue or white.



**Fig. S2. Alignment of nucleotides of the *mcr-2* gene (576 bp).** Nucleotides that are identical for the sequences amplified in this study (Y34, Y113) and references from GenBank are highlighted in yellow while those that vary between species are highlighted with blue or white.



**Fig. S3. Alignment of amino acid sequences for *mcr-2* gene (190 AA).** Amino acids that are identical for the sequences amplified in this study (Y34, Y113) and references from GenBank are highlighted in yellow while those that vary between species are highlighted with blue or white.

												Section 1
Escherichia coli	KY924928	(1)	1	10	20	30	40	50	60	70	83	
Y14	MF598567	(1)	CCGCCTTATGTTCTTTTTGGCACTGTATTTTGCATTTATGCTGAACTGGCGTGGAGTTCTCCATTTTACGAAATCCTTTACAA									
Y48	MF598572	(1)	CCGCCTTATGTTCTTTTTGGCACTGTATTTTGCATTTATGCTGAACTGGCGTGGAGTTCTCCATTTTACGAAATCCTTTACAA									
Y62	MF598570	(1)	CCGCCTTATGTTCTTTTTGGCACTGTATTTTGCATTTATGCTGAACTGGCGTGGAGTTCTCCATTTTACGAAATCCTTTACAA									
												Section 2
Escherichia coli	KY924928	(84)	84	90	100	110	120	130	140	150	166	
Y14	MF598567	(84)	ATTAGAAGATTTTAAAGTTTGGTTTCGCCATTTTCATTACCAATATTGCTTGTTCAGCGCTTAACTTTGTATTTGTTC									
Y48	MF598572	(84)	ATTAGAAGATTTTAAAGTTTGGTTTCGCCATTTTCATTACCAATATTGCTTGTTCAGCGCTTAACTTTGTATTTGTTC									
Y62	MF598570	(84)	ATTAGAAGATTTTAAAGTTTGGTTTCGCCATTTTCATTACCAATATTGCTTGTTCAGCGCTTAACTTTGTATTTGTTC									
												Section 3
Escherichia coli	KY924928	(167)	167	180	190	200	210	220	230	249		
Y14	MF598567	(167)	CGATACGGTATTTAATAAAGCCTTTTTTTCGCACTTCTTATCGCACTTAGTGCAATCGTTAGTTACACAATGATGAAGTATAG									
Y48	MF598572	(167)	CGATACGGTATTTAATAAAGCCTTTTTTTCGCACTTCTTATCGCACTTAGTGCAATCGTTAGTTACACAATGATGAAGTATAG									
Y62	MF598570	(167)	CGATACGGTATTTAATAAAGCCTTTTTTTCGCACTTCTTATCGCACTTAGTGCAATCGTTAGTTACACAATGATGAAGTATAG									
												Section 4
Escherichia coli	KY924928	(250)	250	260	270	280	290	300	310	320	332	
Y14	MF598567	(250)	GTCTTGTGTTGATCAAAACATGATTCAGAATATTTTTGAAACCAATCAAAATGAGGCGTTAGCATATTTAAGCTTACCAATAT									
Y48	MF598572	(250)	GTCTTGTGTTGATCAAAACATGATTCAGAATATTTTTGAAACCAATCAAAATGAGGCGTTAGCATATTTAAGCTTACCAATAT									
Y62	MF598570	(250)	GTCTTGTGTTGATCAAAACATGATTCAGAATATTTTTGAAACCAATCAAAATGAGGCGTTAGCATATTTAAGCTTACCAATAT									
												Section 5
Escherichia coli	KY924928	(333)	333	340	350	360	370	380	390	400	415	
Y14	MF598567	(333)	AGGATGGGGTTACTATTGCTGGTTTTATCCCTGCCATTTTACTTTTCTTTGTTGAAATTGAATATGAGGAAAAATGGTTCAAAG									
Y48	MF598572	(333)	AGGATGGGGTTACTATTGCTGGTTTTATCCCTGCCATTTTACTTTTCTTTGTTGAAATTGAATATGAGGAAAAATGGTTCAAAG									
Y62	MF598570	(333)	AGGATGGGGTTACTATTGCTGGTTTTATCCCTGCCATTTTACTTTTCTTTGTTGAAATTGAATATGAGGAAAAATGGTTCAAAG									
												Section 6
Escherichia coli	KY924928	(416)	416	430	440	450	460	470	480	498		
Y14	MF598567	(416)	GGATTCTAACTCGTGCCCTATCGATGTTTGCATCACTTATAGTGATTGCGGTTATTGCAGCACTATACATCAAGATTATGTG									
Y48	MF598572	(416)	GGATTCTAACTCGTGCCCTATCGATGTTTGCATCACTTATAGTGATTGCGGTTATTGCAGCACTATACATCAAGATTATGTG									
Y62	MF598570	(416)	GGATTCTAACTCGTGCCCTATCGATGTTTGCATCACTTATAGTGATTGCGGTTATTGCAGCACTATACATCAAGATTATGTG									
												Section 7
Escherichia coli	KY924928	(499)	499	510	520	530	540	550	560	570	581	
Y14	MF598567	(499)	TCAGTGGGGCGCAACAATTCAAACCTCCAGCGTGAGATTGTTCCAGCCAATTTTCGTTAATAGTACCCTTAAATACGTTTACAA									
Y48	MF598572	(499)	TCAGTGGGGCGCAACAATTCAAACCTCCAGCGTGAGATTGTTCCAGCCAATTTTCGTTAATAGTACCCTTAAATACGTTTACAA									
Y62	MF598570	(499)	TCAGTGGGGCGCAACAATTCAAACCTCCAGCGTGAGATTGTTCCAGCCAATTTTCGTTAATAGTACCCTTAAATACGTTTACAA									
												Section 8
Escherichia coli	KY924928	(582)	582	590	600	610	620	630	640	650	664	
Y14	MF598567	(582)	TCGTTATCTTGTCTGAACCAATCCCATTTACAACCTTAGGTGATGATGCAAAACGGGATACATAACAAAGTAAGCCACGTTGA									
Y48	MF598572	(582)	TCGTTATCTTGTCTGAACCAATCCCATTTACAACCTTAGGTGATGATGCAAAACGGGATACATAACAAAGTAAGCCACGTTGA									
Y62	MF598570	(582)	TCGTTATCTTGTCTGAACCAATCCCATTTACAACCTTAGGTGATGATGCAAAACGGGATACATAACAAAGTAAGCCACGTTGA									
												Section 9
Escherichia coli	KY924928	(665)	665	670	680	690	700	710	720	730	747	
Y14	MF598567	(665)	TGTTTCTGGTCGTTGGTGAAACCGCTCGTGGTAAAAATTTCTCGATGAATGGCTATGAGAAAGACACCAATCCATTTACCAGT									
Y48	MF598572	(665)	TGTTTCTGGTCGTTGGTGAAACCGCTCGTGGTAAAAATTTCTCGATGAATGGCTATGAGAAAGACACCAATCCATTTACCAGT									
Y62	MF598570	(665)	TGTTTCTGGTCGTTGGTGAAACCGCTCGTGGTAAAAATTTCTCGATGAATGGCTATGAGAAAGACACCAATCCATTTACCAGT									
												Section 10
Escherichia coli	KY924928	(748)	748	760	770	780	790	800	810	820	830	
Y14	MF598567	(748)	AAATCTGGTGGCGTGATCTCCTTTAATGATGTTTCGTTTCGTGTGGGACTGCAACCGCTGTATCTGCCCTGCATGTTTCCAA									
Y48	MF598572	(748)	AAATCTGGTGGCGTGATCTCCTTTAATGATGTTTCGTTTCGTGTGGGACTGCAACCGCTGTATCTGCCCTGCATGTTTCCAA									
Y62	MF598570	(748)	AAATCTGGTGGCGTGATCTCCTTTAATGATGTTTCGTTTCGTGTGGGACTGCAACCGCTGTATCTGCCCTGCATGTTTCCAA									
												Section 11
Escherichia coli	KY924928	(831)	831	840	850	860	870	880	890	900	913	
Y14	MF598567	(831)	FATGGGGAGAAAGGAGTTTGATGATAATCTCGCTCGTAATAGCGAGGGCTTGTAGATGTGTTGCAGAAAACGGGGATCTCCA									
Y48	MF598572	(831)	FATGGGGAGAAAGGAGTTTGATGATAATCTCGCTCGTAATAGCGAGGGCTTGTAGATGTGTTGCAGAAAACGGGGATCTCCA									
Y62	MF598570	(831)	FATGGGGAGAAAGGAGTTTGATGATAATCTCGCTCGTAATAGCGAGGGCTTGTAGATGTGTTGCAGAAAACGGGGATCTCCA									
												Section 12
Escherichia coli	KY924928	(914)	914	920	930	940	950	960	970	980	996	
Y14	MF598567	(914)	TTTTTGGAAAGGAGAACGATGGAGGCTGCAAAAGGCGTCTGCGACCGAGTACCTAACATCGAATCGAACCAGAGGATACCCCT									
Y48	MF598572	(914)	TTTTTGGAAAGGAGAACGATGGAGGCTGCAAAAGGCGTCTGCGACCGAGTACCTAACATCGAATCGAACCAGAGGATACCCCT									
Y62	MF598570	(914)	TTTTTGGAAAGGAGAACGATGGAGGCTGCAAAAGGCGTCTGCGACCGAGTACCTAACATCGAATCGAACCAGAGGATACCCCT									
												Section 13
Escherichia coli	KY924928	(997)	997	1016								
Y14	MF598567	(997)	AAGTTCTGCGATAAAAAACAG									
Y48	MF598572	(997)	AAGTTCTGCGATAAAAAACAG									
Y62	MF598570	(997)	AAGTTCTGCGATAAAAAACAG									

**Fig. S4. Alignment of nucleotide sequences of the *mcr-3* gene (1,016 bp).** Nucleotides that are identical for the sequences amplified in this study (Y14, Y48, Y62) and references from GenBank are highlighted in yellow while those that vary between species are highlighted with blue or white.

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